

Partial Peptide

RESULT 13

AAR41231

ID AAR41231 standard; protein; 246 AA.

XX

AC AAR41231;

XX

DT 25-MAR-2003 (revised)

DT 22-MAR-1994 (first entry)

XX

DE GAT-2 transporter gene.

XX

KW GABA transporter; gamma-aminobutyric acid; taurine transporter;
KW translation inhibition; monoclonal antibodies; transgenic animals;
KW cell membranes; epilepsy; anxiety; migraine; ischaemia.

XX

OS Homo sapiens.

XX

PN WO9318143-A1.

XX

PD 16-SEP-1993.

XX

PF 04-MAR-1993; 93WO-US001959.

XX

PR 04-MAR-1992; 92US-00847742.

PR 13-OCT-1992; 92US-00959936.

XX

PA (SYNA-) SYNAPTIC PHARM CORP.

XX

PI Smith KE, Borden LA, Hartig PR, Weinshank RL;

XX

DR WPI; 1993-303457/38.

DR N-PSDB; AAQ48763.

XX

PT New mammalian transporters for GABA or taurine - are used in drugs for
PT treating epilepsy, anxiety ischaemia and form antibodies for detecting
PT presence of the transporters on cell surface.

XX

PS Claim 1; Fig 10A; 218pp; English.

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CC The sequences (AAQ48760-61) encode novel mammalian GABA transporters,
CC sequences (AAQ48763-64) encode human GABA transporters. The sequences can
CC be used as probes to detect specific mRNA (i.e expression of the
CC transporter) and also for diagnosing a predisposition to disease
CC associated with expression of a specific allele. Sequence (AAQ48762)
CC shows a related taurine transporter gene. (Updated on 25-MAR-2003 to
CC correct PN field.)

XX

SQ Sequence 246 AA;

Query Match 40.9%; Score 246; DB 2; Length 246;

Best Local Similarity 100.0%; Pred. No. 1.1e-238;

Matches 246; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 357 LAFIAYPRAVVMLPFSPLWACCCFFMVVLLGLDSQFVCVESLVTALVDMYPHVFRKKNRR 416
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 1 LAFIAYPRAVVMLPFSPLWACCCFFMVVLLGLDSQFVCVESLVTALVDMYPHVFRKKNRR 60

Qy 417 EVLILGVSFVSVFLVGLIMLTEGGMYVFQLFDYAASGMCLLFVAIFESLCVAWVYGAKRF 476
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 61 EVLILGVSFVSVFLVGLIMLTEGGMYVFQLFDYAASGMCLLFVAIFESLCVAWVYGAKRF 120

Qy 477 YDNIEDMIGYRPWPLIKYCWLFLTPAVCTATFLES LIKYTPLTYNKKYTPWWGDALGWL 536
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 121 YDNIEDMIGYRPWPLIKYCWLFLTPAVCTATFLES LIKYTPLTYNKKYTPWWGDALGWL 180

Qy 537 LALSSMVCIPAWSLYRLGTLKGPFRERIRQLMCPAEDLPQRNPAGPSAPATPRTSLLRLT 596
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
 Db 181 LALSSMVCIPAWSLYRLGTLKGPFRERIRQLMCPAEDLPQRNPAGPSAPATPRTSLLRLT 240

Qy 597 ELES HC 602
 |||||
 Db 241 ELES HC 246

RESULT 3

AX316645

LOCUS AX316645 2168 bp DNA linear PAT 14-DEC-2001

DEFINITION Sequence 7 from Patent WO0190148.

ACCESSION AX316645

VERSION AX316645.1 GI:17899748

KEYWORDS

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Sanjanwala,M.S., Walia,N.K., Tribouley,C.M., Yue,H., Gandhi,A.R.,
 Ding,L., Yao,M.G., Lal,P., Baughn,M.R., Hafalia,A., Elliott,V.S.,
 Patterson,C. and Rankumar,J.

TITLE Neurotransmitter transporters

JOURNAL Patent: WO 0190148-A 7 29-NOV-2001;

Incyte Genomics, Inc. (US)

FEATURES

Location/Qualifiers

source

1. .2168

/organism="Homo sapiens"

/mol_type="unassigned DNA"

/db_xref="taxon:9606"

/note="Incyte ID No: 7617689CB1"

ORIGIN

Alignment Scores:

Pred. No.: 0 Length: 2168

Score: 602.00 Matches: 602

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0